

RECEIVED
CENTRAL FAX CENTER
JUL 20 2007

Serial No.: 10/645,257
Examiner: Nittaya Juntima

In the Drawings:

Fig. 3A is amended by replacing the word "Buffer" with the word "Buffer" in reference numeral 302. A corrected drawing sheet, including the phrase "Replacement Sheet," is included in this response in compliance with 37 CFR 1.121(d).

Serial No.: 10/645,257
Examiner: Nittaya Juntima

RECEIVED
CENTRAL FAX CENTER

JUL 20 2007

REMARKS/ARGUMENTS

Claims 1-22 remain in this application. Claims 1, 2, 9, 16 and 17 have been amended.

The Examiner has acknowledged that claims 15 and 16 are directed to allowable subject matter if rewritten to overcome the rejection under 35 U.S.C 11, 2nd paragraph. Applicant thanks the Examiner for indicating such allowable subject matter.

Objections:

Drawings

The drawings were objected to because Fig. 3A included the word "Buffrer" in reference numeral 302. The word now appears as "Buffer" in the enclosed corrected drawing sheet in compliance with 37 CFR 1.121(d). As such, Applicant respectfully believes the objection to the drawing should be removed.

Specification

The specification was objected to because in paragraph [0024], line 11, "304" should be changed to "300." Such a change was made per the Examiner's suggestion. As such, Applicant respectfully believes the objection to the specification should be removed.

Claims

Claim 2 was objected to because in claim 2, line 2, "an" should be changed to an "a." Such a change was made per the Examiner's suggestion. As such, Applicant respectfully believes the objection to the claim should be removed.

Claim Rejections:

35 U.S.C. §112

Claims 6 and 9-16 were rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which

Serial No.: 10/645,257
Examiner: Nittaya Juntima

applicant regards as the invention. The Examiner stated that in claims 6 and 16 it is unclear how the MRC is for receiving adaptive selections of policies from the policy information database as it appears to have the same function as the RSS means for controlling as recited in claims 1 and 9.

A Management Agent (MA) 102 of the present invention manages differentiated services policy information database operable to store policies on forwarding packets in the packet router (see paragraph [0006]). The MRC 304 is a portion of a Dynamic Component 210 which resides in a Flow Measurement System (FMS) 106. As can be seen from Fig. 1, the MA 102 and the FMS 106 are communicably coupled and thus can transfer information to one another. More specifically, as can be seen from Fig. 3A, the MA 102 is communicably coupled to a Policy Provision Information Buffer 302 which is communicably coupled to the MRC 304. As such, Applicant respectfully asserts that it is clear for the MRC to receive adaptive selections of policies from the policy information database via the MA 102, which manages differentiated services policy information database operable to store policies, and the Policy Provision Information Buffer 302.

As such, Applicant respectfully believes the 35 U.S.C. §112, second paragraph, rejections to the claims should be removed and that the Examiner should interpret the claims as a monitor resource controller ("MRC") for receiving adaptive selections of policies from the policy information database and for distributing the statistics reports generated by the FMS.

35 U.S.C. §103

Claims 1-14 and 17-22 were rejected under 35 U.S.C. §103(a) as being unpatentable over Choi (US 2004/0109414) in view of Shin (US 2002/0138643).

Applicant does not believe that Choi or Shin teach or suggest the originally filed claims. However, purely in the interest of expediting the prosecution of the instant invention, Applicant has amended independent claims 1, 9, and 17.

Serial No.: 10/645,257
Examiner: Nittaya Juntima

Claim 1

Currently amended claim 1 discloses a packet router that supports multi-time scale resource management, comprising:

a management agent ("MA") that manages a differentiated services policy information database operable to store policies on forwarding packets in the packet router;

a resource server system ("RSS") that controls forwarding of packets in the packet router based on adaptive selections of policies from the policy information database;

a flow measurement system ("FMS") that monitors packet flows through the packet router and generates statistic reports which affect the RSS selection of control;

wherein the FMS includes a monitor resource controller ("MRC") that receives adaptive selections of policies from the policy information database; and

a hardware forwarding engine ("HFE") that receives and forwards packets in response to the RSS controls.

Support for the added limitation can be found at least in Figs. 1 and 3A and their respective descriptions in the instant invention. The added limitation to claim 1 is not taught or suggested by Choi or Shin. As such, Applicant believes currently amended claim 1, as well as the claims that depend from it, are in condition for allowance and respectfully request that they be passed to allowance.

Claim 9

Currently amended claim 9 discloses a system for supporting multi-time scale resource management in a packet router, the system comprising:

means for managing a differentiated services policy information database that stores policies on forwarding packets in the packet router;

means for controlling forwarding of packets in the packet router based on adaptive selections of policies from the policy information database;

means for monitoring packet flows through the packet router based on an interpreted service level agreement related to the adaptive selections of policies from the policy information database;

139137

Page 11

Serial No.: 10/645,257
Examiner: Nittaya Juntima

means for generating statistic reports that affect a [the] resource server system[s]
selection of control; and

means for receiving and forwarding packets in response to the resource server system
controls.

Support for the added limitation can be found at least in Figs. 1 and 3A and their
respective descriptions in the instant invention. The added limitation to claim 9 is not taught or
suggested by Choi or Shin. As such, Applicant believes currently amended claim 9, as well as
the claims that depend from it, are in condition for allowance and respectfully request that they
be passed to allowance.

Claim 17

Currently amended claim 17 discloses a method of providing multi-time scale resource
management in a packet router, the method comprising:

managing a differentiated services policy information database that stores policies on
forwarding packets in the packet router;

controlling forwarding of packets in the packet router based on adaptive selections of
policies from the policy information database;

monitoring packet flows through the packet router based on an interpreted service level
agreement related to the adaptive selections of policies from the policy information database;

generating statistic reports that affect the forwarding of packets in the packet router; and
receiving and forwarding packets in response to the forwarding of packets in the packet
router.

Support for the added limitation can be found at least in Figs. 1 and 3A and their
respective descriptions in the instant invention. The added limitation to claim 17 is not taught or
suggested by Choi or Shin. As such, Applicant believes currently amended claim 17, as well as
the claims that depend from it, are in condition for allowance and respectfully request that they
be passed to allowance.

Serial No.: 10/645,257
Examiner: Nittaya Juntima

It is believed that the foregoing amendment places the Application in condition for allowance; therefore, Applicant respectfully requests withdrawal of the Examiner's rejection of claims 1-14 and 17-22 as set forth in paragraph 7 of the Office Action, and full allowance of same. Should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned to expeditiously resolve any outstanding issues.

Respectfully submitted,

ALCATEL LUCENT

Dated: July 20, 2007

/Raffi Gostanian/
Raffi Gostanian
Reg. No. 42,595

RG&Associates, LLC
1103 Twin Creeks, Ste. 120
Allen, TX 75013
972.849.1310